



SEQUENCE LISTING

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Tsuji, Stuart
Khosla, Chaitan

<120> METHODS TO MEDIATE POLYKETIDE SYNTHASE
MODULE EFFECTIVENESS

<130> 300622004620

<140> US 10/091,244

<141> 2002-03-04

<150> 09/500,747

<151> 2000-02-09

<150> 60/119,363

<151> 1999-02-09

<150> 60/272,985

<151> 2001-03-02

<150> 60/272,987

<151> 2001-03-02

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<170> FastSEQ for Windows Version 4.0

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<212> DNA

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<223> Nhe site upstream of the KS at position 7570

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gctagcgagc cgatc

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 Gly Gly Ala Thr Gly Ala Glu Gln Ala Ala Pro Ala Thr Thr Ala Pro
 1 5 10 15
 Val Asp

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<220>
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 Val Gly Asp Ala Asp Gln Ala Ala Val Arg Val Val Gly Ala Ala Asp
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 Glu Ser

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 Val Gly Ala Ala Glu Ala Glu Gln Ala Pro Ala Leu Val Arg Glu Val
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 Pro Lys Asp Ala Asp
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 <400> 6
 Phe Gly Ser Ala Ala Asn Arg Pro Ala Glu Ile Gly Thr Ala Ala Ala
 1 5 10 15
 Glu

<210> 7

<211> 17
<212> PRT
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<220>
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Leu Gly Glu Arg Pro Ala Ala Pro Ala Pro Val Thr Arg Asp Val Ser
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Asp

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<212> PRT
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<400> 8
Gly Glu Thr Val Ala Gly Ala Pro Ala Thr Pro Val Thr Thr Val Ala
1 5 10 15
Asp Ala Gly

<210> 9
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<212> PRT
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<400> 9
Glu Leu Phe Thr Gly Glu Asn Pro Ala Pro Val Arg Gly Pro Val Ser
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Ala Val Gly Gln Asp
20

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<212> PRT
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Glu Leu Phe Thr Gly Glu Asn Pro Ala Pro Val Arg Gly Pro Val Ser
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Val Val Gly Gln Asp
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<210> 11
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<400> 11
 Glu Leu Phe Thr Gly Glu Asn Pro Ala Pro Val Arg Gly Pro Val Ser
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 Ala Gly Gln Asp
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 Val Thr Asp Ser Glu Lys Val Ala Glu Tyr Leu Arg Arg Ala Thr Leu
 1 5 10 15
 Asp Leu Arg Ala Ala Arg Gln Arg Ile Arg Glu Leu Glu Ser
 20 25 30

<210> 13
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> N-Terminal Inter-polypeptide linker

<400> 13
 Met Ser Gly Asp Asn Gly Met Thr Glu Glu Lys Leu Arg Arg Tyr Leu
 1 5 10 15
 Lys Arg Thr Val Thr Glu Leu Asp Ser Val Thr Ala Arg Leu Arg Glu
 20 25 30
 Val Glu His Arg Ala Gly
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<210> 14
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Met Ser Ala Pro Asn Glu Gln Ile Val Asp Ala Leu Arg Ala Ser Leu
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Lys Glu Asn Val Arg Leu Gln Gln Glu Asn Ser Ala Leu Ala Ala Ala
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Ala Ala

<210> 15

<211> 34

<212> PRT

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<223> N-Terminal Inter-polypeptide linker

<400> 15

Val Ser Ala Ser Tyr Glu Lys Val Val Glu Ala Leu Arg Lys Ser Leu
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Glu Glu Val Gly Thr Leu Lys Lys Arg Asn Arg Gln Leu Ala Asp Ala
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Ala Gly

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<212> PRT

<213> Artificial Sequence

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Val Ala Asp Glu Gly Gln Leu Arg Asp Tyr Leu Lys Arg Ala Ile Ala
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Asp Ala Arg Asp Ala Arg Thr Arg Leu Arg Glu Val Glu Glu Gln Ala
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Arg

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<212> PRT

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<223> N-Terminal Inter-polypeptide linker

<400> 17

Met Ala Thr Asp Glu Lys Leu Leu Lys Tyr Leu Lys Arg Val Thr Ala
1 5 10 15
Glu Leu His Ser Leu Arg Lys Gln Gly Ala Arg His Ala Asp
20 25 30

<210> 18
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<212> PRT
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<223> N-Terminal Inter-polypeptide linker

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Asn Ala Arg Leu Arg Lys Ala Asn Thr Ser Leu Arg Ala Ala Met Asp
20 25 30

<210> 19
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<220>
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1 5 10 15
Glu Leu His Thr Thr Arg Ala Lys Leu Glu Ala Leu Ala Ala Ala Asn
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Thr

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Asp Leu Arg Ala Ala Arg Gln Arg Ile Arg Glu Leu Glu Ser Asp
20 25 30

<210> 21
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<220>
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<400> 21

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<212> DNA

<213> Artificial Sequence

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<223> primer

<400> 22

gggaattcag gtcctctccc ccgc

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<210> 23

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<212> DNA

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<223> primer

<400> 23

ccatattggtg gtcgaccggc tcg

23

<210> 24

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<223> primer

<400> 24

gaattcctac aggtcctctc cccc

24